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(54) Title: SILVER COATINGS AND METHODS OF MANUFACTURE

(57) Abstract: A silver composition comprising silver sulfate and a method of coating the composition on a substrate is disclosed.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 2004/112850 A (JOHNSON & JOHNSON MEDICAL LIMITED; CULLEN, BRED, MARY; ADDISON, DEBOR) 29 December 2004 (2004-12-29) page 3, lines 18,19,31,32 page 4, lines 1-25 page 7, line 15 - page 10, line 14 page 11, lines 5-12,23-25 page 12 page 16, lines 16-33 claims 1-19; examples 8-14</p> <p style="text-align: center;">----- -/--</p>	1-42

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 02/43743 A (BRISTOL-MYERS SQUIBB COMPANY; BOWLER, PHILIP; JACQUES, ELIZABETH; PARS) 6 June 2002 (2002-06-06)</p> <p>page 1, lines 16-26 page 3, lines 1-17 pages 5-8 claims 1-12</p>	<p>1-3, 10-21, 24-26, 32, 34-37, 40-42</p>
X	<p>WO 84/01721 A (BAXTER TRAVENOL LABORATORIES, INC) 10 May 1984 (1984-05-10)</p> <p>the whole document</p>	<p>1-3, 9-11, 14, 16-19, 24-26, 31, 32, 40-42</p>
A	<p>US 2 791 518 A (JR. THOMAS A. STOKES, ET AL) 7 May 1957 (1957-05-07) cited in the application the whole document</p>	<p>1-42</p>
A	<p>US 2004/126433 A1 (PARSONS DAVID ET AL) 1 July 2004 (2004-07-01) the whole document</p>	<p>1-42</p>
P, A	<p>WO 2005/056070 A (3M INNOVATIVE PROPERTIES COMPANY) 23 June 2005 (2005-06-23) the whole document</p>	<p>1-42</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004112850	A	29-12-2004	AU 2004248971 A1 CA 2529413 A1 EP 1641499 A1	29-12-2004 29-12-2004 05-04-2006
WO 0243743	A	06-06-2002	AU 1993702 A CA 2430001 A1 CN 1568191 A CZ 20031496 A3 EP 1343510 A1 HU 0302554 A2 JP 2004514505 T MX PA03004680 A NO 20032445 A NZ 526039 A PL 361782 A1 SK 6412003 A3 ZA 200304111 A	11-06-2002 06-06-2002 19-01-2005 15-10-2003 17-09-2003 28-11-2003 20-05-2004 17-05-2004 16-07-2003 26-11-2004 04-10-2004 02-12-2003 23-06-2004
WO 8401721	A	10-05-1984	CA 1224717 A1 EP 0124536 A1 ES 8504464 A1	28-07-1987 14-11-1984 16-07-1985
US 2791518	A	07-05-1957	NONE	
US 2004126433	A1	01-07-2004	US 2002073891 A1	20-06-2002
WO 2005056070	A	23-06-2005	AU 2004296818 A1 CA 2548128 A1 EP 1689456 A1 US 2005124724 A1	23-06-2005 23-06-2005 16-08-2006 09-06-2005